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INFORMATION DISCLOSURE STATEMENT BY APPLICANT					ſ	Application Number 10/743,322					
						Filing Date December			3, 2003		
SIAI	FMFN	i BY /	APPLIC	JANI		First Na	med Inventor	Prem YADAV			
					ſ	Group /	Art Unit	2171			
						Examin	er Name	To be assigned			
Sheet	1		of	2		Attorne	y Docket Number	2601-108			
					U.	S. PATI	ENT DOCUMENTS				
			U.S. Pa	tent Doc	ument		N(P-4	-4 4!:4		Data of Dublication	
Examiner Initials*	Cite No.1	<u> </u>	Numbe	er		Code ²	Name of Patentee or Applicant of Cited Document			Date of Publication of Cited Document MM-DD-YYYY	
195	А	5,933,	822			Α	Braden-Harder et a	١.	1	August 3, 1999	
PX	В	6,078,	914			Α	Redfern		,	June 20, 2000	
P35	С	6,078,916			. A	Culliss			June 20, 2000		
P75	D	6,460,036			B1	Herz			October 1, 2002		
P79	Е	6,516,312			B1	Kraft et al.			February 4, 2003		
13	F	6,526,440			B1	Bharat		-	February 25, 200	3	
195	G	6,529	903			B2	Smith et al.			March 4, 2003	
<i>P)5</i>	н	6,675	,159			B1	Lin et al.		\	January 6, 2004	
175	1	2002/	0042791	l		A1	Smith et al.			April 11, 2002	
<i>{')5</i>	J	2002/	0123988	3		A1	Dean et al.		;	September 5, 20	02
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'Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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Sheet	2	2 of 2		Attorney Docket Number	2601-108				
	NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No.1					the article (when appropriate), title of the tc.), date, page(s), volume-issue number(s), nere published	T²		
PS	К			A.D., "The pages. 1-1:		Collection: 2002 Update", Nucleic Acid			
PS	L	BURD 2001.		L. et al., "Ni	umerical Analysis, 7 th Edition	, Wadsworth Group", pages V-VIII,			
P.34	М		DURBIN, R. et al., "Ch. 3, Markov Chains And Hidden Markov Models", Biological Sequence Analysis, Cambridge University Press, pages 46-79, 1998.						
P35	N		HEATH, MICHAEL T., "Scientific Computing An Introductory Survey Second Edition", pages IV-VI, 2002.						
0.55	0		LAWRENCE, S. et al., "Context And Page Analysis For Improved Web Search", IEEEInternet Computing, pages 38-46, July-August 1998.						
175	Р		MATTHEWS, J. H. et al., "Numerical Methods Using Matlab, Third Edition", Prentice-Hall, pagesIII-V and 579-590, 1999.						
155	Q		PREISS, B. R., "Ch. 4, Data Structures And Algorithms With Object-Oriented Design Patterns In Java", John Wiley & Sons, Inc., pages 136-182, 2000.						
135	R	STEIN	STEIN, L. "Creating A Bioinformatics Nation", Nature Vol. 417, pages 119-123, May 9, 2002.						
175	S		VOSS, D., "Better Searching Through Science", Science Vol. 293, No. 5537, pages 2024-2026, September 14, 2001.						
PS	Т			S. L., "A Gu y 7, 2002.	uide To Digital Literature", Ch	nemical and Engineering News, pages			
(755	U	International Search Report, 2 pages.							
Examiner Signature									

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Complete if Known MAR 2 3 2005 **Application Number** 10/743,322 Filing Date December 23, 2003 STATEMEN PREMAPPLICANT First Named Inventor Prem YADAV et al. Group Art Unit 2171 **Examiner Name** Unknown Confirmation No. 5564 Sheet 1 of 1 Attorney Docket Number 2601-108

U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	U.S. Patent D Number	ocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY			
135		2005/0027691	A1	Brin et al.	02-03-2005			
Pos		2005/0060311	A1	Tong et al.	03-17-2005			

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STATEMENT BY APPLICANT					irst Na	med Inventor	Prem YADAV		
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				E	xamin	er Name	To be assigned		
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				U.S	. PATE	NT DOCUMENTS			
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PS	Α	5,933,822			Α	Braden-Harder et a	Braden-Harder et al.		
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Pos	С	6,078,916			Α	Culliss	June 20, 2000		
P75	D	6,460,036			B1	Herz	October 1, 2002		
P79	Е	6,516,312			B1 .	Kraft et al.	February 4, 2003		
12	F	6,526,440			B1	Bharat	· · · · · · · · · · · · · · · · · · ·	February 25, 2003	
175	G	6,529,903			B2	Smith et al.		March 4, 2003	
PJS	н.	6,675,159			B1	Lin et al.		January 6, 2004	
(25	1	2002/004279	1		A1	Smith et al.		April 11, 2002	
135	J	2002/012398	8	-	A1	Dean et al.		September 5, 2002	
				FORE	IGN PA	ATENT DOCUMEN	TS		
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Examiner Initials*	niner Cite Office ³ Number ⁴		Kind ⁵ Name of Par		tee of Applicant of Document	Date of Publication of Cited Document MM-DD-YYYY			
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				Group Art Unit	2171				
				Examiner Name	To be assigned				
Sheet	neet 2 of 2			Attorney Docket Number	2601-108				
	NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No.1				f the article (when appropriate), title of the tc.), date, page(s), volume-issue number(s), here published	T ²			
PS	К		S, A.D., "The 30, pages. 1-12		Collection: 2002 Update", Nucleic Acid				
PS	L	BURDEN, F 2001.	R. L. et al., "Ni	umerical Analysis, 7 th Edition	, Wadsworth Group", pages V-VIII,				
P34	М		DURBIN, R. et al., "Ch. 3, Markov Chains And Hidden Markov Models", Biological Sequence Analysis, Cambridge University Press, pages 46-79, 1998.						
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155	Q	PREISS, B. R., "Ch. 4, Data Structures And Algorithms With Object-Oriented Design Patterns In Java", John Wiley & Sons, Inc., pages 136-182, 2000.							
135	R	STEIN, L. "Creating A Bioinformatics Nation", Nature Vol. 417, pages 119-123, May 9, 2002.							
175	S		VOSS, D., "Better Searching Through Science", Science Vol. 293, No. 5537, pages 2024-2026, September 14, 2001.						
P5	Т		WILKINSON, S. L., "A Guide To Digital Literature", Chemical and Engineering News, pages 30-33, January 7, 2002.						
P35	U	International Search Report, 2 pages.							
Examiner Signature		fate.	5/2	Sont	Date 5/78/05				

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U.S. PATENT DOCUMENTS								
5		U.S. Patent D		Name of Patentee or Applicant of Cited Document	Date of Publication			
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[35]		2005/0027691	A1	Brin et al.	02-03-2005			
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